

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-32508.1

First Inventor

Jimmy Liang

Title

Method and Apparatus for Flip Chip Device Assembly by
Radiant Heating

Express Mail Label No.

EV 333320155 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 202311. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.3. ☒ Specification (preferred arrangement set forth below) Total Pages **21**
- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,
or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure4. ☒ Drawing(s) (35 U.S.C. 113) Total Sheets **6**5. Oath or Declaration Total Pages **2**a. ☐ Newly Executed (original or copy)b. ☒ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).c. ☐ Unexecuted Declaration6. ☐ Application Data Sheet. See 37 CFR 1.767. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); orii. ☐ paperc. ☐ Statements verifying identity of above copies**ACCOMPANYING APPLICATION PARTS**9. ☒ Assignment Papers (cover sheet & documents(s))10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney11. ☐ English Translation Document (if applicable)12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations13. ☒ Preliminary Amendment14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)16. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation☒ Divisional☐ Continuation-in-part (CIP)of prior application No: 10/032,907

Prior application information:

Examiner

Group / Art Unit: 2822

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label

23494

(Insert Customer No. or Attach bar code label here)



Correspondence address below

NAME

Texas Instruments Incorporated

ADDRESS

Patent Activity

CITY

STATE

ZIP CODE

COUNTRY

TELEPHONE

(972)917-5452

FAX

(972) 917-4418

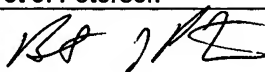
Name (Print/Type)

Bret J. Petersen

Registration No. (Attorney/Agent)

37,417

Signature



Date

12-2-03

22141 U.S. PTO
10/725726

120203

FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Express Mailing Label No.:

Complete If Known

Application Number	TBD
Filing Date	Herewith
First Named Inventor	Jimmy Liang
Examiner Name	Rose, Kiesha L
Group Art Unit	2822
Attorney Docket No.	TI-32508.1

TOTAL AMOUNT OF PAYMENT (\$) 770.00

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit
Account
Number

20-0668

Deposit
Account
Name

Texas Instruments Incorporated

☐ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☐ **Payment Enclosed:**

☐ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	205	65	Surcharge - late filing fee of oath	
1052	50	227	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	139	130	Non-English specification	
1812	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	112	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
1251	110	215	55	Extension for reply within first month	
1252	400	216	195	Extension for reply within second month	
1253	920	217	445	Extension for reply within third month	
1254	1,440	218	695	Extension for reply within fourth month	
1255	1,960	228	945	Extension for reply within fifth month	
1401	320	219	155	Notice of Appeal	
1402	320	220	155	Filing a brief in support of an appeal	
1403	280	221	135	Request for oral hearing	
1451	1,510	138	1,510	Petition to institute a public use proceeding	
1452	110	240	55	Petition to revive - unavoidable	
1453	1,280	241	620	Petition to revive - unintentional	
1501	1,330	242	620	Utility issue fee (or reissue)	
1502	460	243	220	Design issue fee	
1503	620	244	300	Plant issue fee	
1460	130	122	130	Petitions to the Commissioner	
1807	50	123	130	Petitions related to Prov1 Apps (Proc. Fee under 37 CFR 1.17(q))	
1806	180	126	180	Submission of information Disclosure Stmt	
8021	40	581	40	Recording each patent assignment per property (times no. of properties)	
1809	740	246	355	Filing a submission after final rejection (37 CFR §1.129(a))	
1810	740	249	355	For each additional invention to be examined (37 CFR §1.129(b))	
1801	740	279	355	Request for Continued Examination (RCE)	
1802	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1001	740	201	355	Utility filing fee	\$770
1002	330	206	160	Design filing fee	
1003	510	207	245	Plant filing fee	
1004	740	208	355	Reissue filing fee	
1005	160	214	75	Provisional filing fee	
SUBTOTAL (1)					(\$)

2. EXTRA CLAIM FEES

Extra Claims		Fee from below		Fee Paid	
Total Claims	7	-20**=	X	18	=
Independent Claims	3	-3**=	X	86	=
					270

Multiple Dependent

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
1202	18	203	9	Claims in excess of 20
1201	84	202	40	Independent claims in excess of 3
1203	280	204	135	Multiple dependent claim, if not paid
1204	84	209	40	**Reissue independent claims over original patent
1205	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

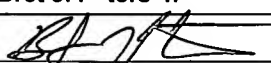
**or number previously paid, if greater; For Reissue, see above

SUBMITTED BY

Name (Print/Type)

Bret J. P ters n

Signature



Registration No.
(Attorney/Agent)

37,417

Telephone

(972) 917-5339

Date

12-2-03